

CLAIMS

What is claimed is:

1. A collapsible table assembly having improved portability, said assembly comprising:

5 a table having a periphery;

a first and a second leg for supporting said table; and

a mechanism interconnecting said legs and said table for moving said legs between a diverging supporting position toward one another while in a plane to a folding position and about a connecting axis in said plane to a storage position disposed within
10 said periphery of said table,

wherein said mechanism further includes a support rotatably attached to said table such that said support rotates about said connecting axis.

2. An assembly as set forth in claim 1 wherein said mechanism further includes
15 a first pivot pivotally connecting said first leg to said support and a second pivot pivotally connecting said second leg to said support, whereby said legs pivot about said pivots in said plane between said diverging supporting and said folding positions.

3. An assembly as set forth in claim 2 wherein said mechanism further includes
20 a foldable linkage interconnecting said first and said second legs for limiting pivoting movement of said legs away from one another in said plane to said diverging supporting position.

4. An assembly as set forth in claim 3 wherein said foldable linkage includes a first link and a second link with said first link pivotally attached to said first leg and said second link pivotally attached to said second leg, and a fastener pivotally connecting said first link and said second link.

5. An assembly as set forth in claim 4 further including a strut having a first end pivotally attached to said table and extending to a second end pivotally attached to one of said foldable linkage and said legs for limiting rotation of said support to maintain said diverging supporting position.

6. An assembly as set forth in claim 5 further characterized by a plurality of said first and said second legs for supporting said table and including a plurality of said mechanisms with one of said mechanisms associated with each pair of said first and second legs.

7. An assembly as set forth in claim 6 wherein said table further includes a leg lock associated with each pair of said first and second legs for maintaining said pair of legs in said storage position.

8. An assembly as set forth in claim 1 wherein said periphery further includes a first rail and a second rail spaced from said first rail, wherein said first and said second rails are interconnected by a cross-member.

9. A saw track assembly for use with a saw table, said assembly comprising:
a table;
an upper platform for receiving a cutting device;
5 a lower platform connected to said upper platform for supporting a workpiece
during cutting; and
said upper platform and said lower platform being disposed above said table.

10. An assembly as set forth in claim 9 wherein said upper platform includes a
10 guide for receiving the cutting device.

11. An assembly as set forth in claim 10 wherein said guide includes at least one
longitudinal channel.

15 12. An assembly as set forth in claim 11 further including a connection plate
disposed in said longitudinal channel for slidably connecting the cutting device to said
upper platform.

13. An assembly as set forth in claim 12 wherein said connection plate further
20 includes an opening for receiving a blade of the cutting device.

14. An assembly as set forth in claim 13 wherein said lower platform further includes a groove for receiving the blade of the cutting device during cutting such that the blade does not contact said lower platform.

5 15. An assembly as set forth in claim 14 wherein said lower platform comprises a first support rail and a second support rail spaced from said first support rail.

16. An assembly as set forth in claim 15 wherein said groove is disposed within said first support rail.

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17. An assembly as set forth in claim 16 wherein said upper platform comprises a first member and a second member spaced from said first member.

18. An assembly as set forth in claim 17 wherein said first member includes an
15 extension for engaging a saw guard from the cutting device to expose the blade as the cutting device slides along said upper platform.

19. A saw table assembly, said assembly comprising:
a periphery including a front rail and a rear rail spaced from said front rail
20 interconnected by a plurality of cross-members;
a saw track including upper and lower platforms;
a guide pin disposed on said rear rail for pivotally attaching said saw track to said rear rail such that said saw track may pivot through a plane parallel to said periphery; and

an attachment groove disposed within said lower platform such that said guide pin nestles within said attachment groove and said lower platform pivots around and moves longitudinally along said guide pin as said saw track pivots through said plane.

5 20. An assembly as set forth in claim 19 wherein said lower platform comprises a first support rail and a second support rail spaced from said first support rail.

21. An assembly as set forth in claim 20 wherein said attachment groove is disposed within said first support rail.

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22. A saw table assembly, said assembly comprising:

a periphery including a front rail and a rear rail spaced from said front rail interconnected by a plurality of cross-members;

a saw track including upper and lower platforms;

15 a guide pin disposed on said rear rail for pivotally attaching said saw track to said rear rail such that said saw track may pivot through a plane parallel to said periphery; and

 a material support supported by and extending between said front and rear rails for rotating between a material supporting position for supporting a workpiece wherein a portion of said material support protrudes above said periphery and an unobstructing
20 position for allowing said saw track to freely pivot through said plane wherein said material support is disposed fully within said periphery.

23. An assembly as set forth in claim 22 further including a material support lock engaging said material support for maintaining said material supporting position.

24. An assembly as set forth in claim 23 wherein said material support lock
5 further comprises a locking spring engaging said material support, said locking spring movable between a compressed position and an uncompressed position such that said material support is rotatable between said material supporting and unobstructing positions when said locking spring is in said compressed position.

10 25. An assembly as set forth in claim 24 further including a material support stop such that said material support rests on said material support stop to maintain said unobstructing position.

26. An assembly as set forth in claim 25 wherein said material support stop is
15 disposed on said rear rail.

27. An assembly as set forth in claim 26 wherein said assembly includes a plurality of said material supports and a plurality of said material support locks and said material support stops with one of said material support locks and one of said material
20 support stops associated with each of said material supports.

28. An assembly as set forth in claim 27 wherein said front rail further includes a slide channel for receiving a slide such that said slide slides along said front rail.

29. An assembly as set forth in claim 28 wherein said slide further includes a track plate for pivotally connecting said saw track to said slide.

5 30. An assembly as set forth in claim 29 wherein said slide further includes a slide lock for preventing movement of said slide along said front rail to maintain said saw track at a desired angle during cutting.

31. An assembly as set forth in claim 30 wherein said saw table assembly further
10 includes at least one material guide rotatably connected to said rear rail for movement between a guiding and a quiescent position to provide material guidance in said guiding position and to lie flush against said rear rail in said quiescent position.

32. An assembly as set forth in claim 31 further including a material guide lock
15 engaging said material guide for locking said material guide in said guiding position.

33. An assembly as set forth in claim 32 wherein said material guide lock further comprises a guide spring engaging said material guide, said guide spring movable between a compressed position and an uncompressed position such that said material
20 guide is rotatable when said guide spring is in said compressed position.